

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 Of 2

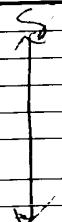
**Complete if Known**

Application Number	09/669,477
Filing Date	09/25/2000
First Named Inventor	MURPHY
Group Art Unit	1771
Examiner Name	JUSKA
Attorney Docket Number	CH2751USNA

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
S		US - 3,533,866	10/13/1970	BLUE	
		US - 4,254,179	03/03/1981	CARSON ET AL.	
		US - 4,957,798	09/18/1990	BOGDANY	
		US - 5,045,389	09/03/1991	CAMPAGNA	
		US - 5,114,784	05/19/1992	VAN DE VEN ET AL.	
		US - 5,512,361	04/30/1996	TAKEUCHI ET AL.	
		US - 5,455,293	10/03/1995	WOOD ET AL.	
		US - 5,531,249	07/02/1996	BORBONE	
		US - 5,531,849	07/02/1996	COLLINS ET AL.	
		US - 5,540,968	07/30/1996	HIGGINS	
		US - 5,721,035	02/24/1998	DUNN	
		US - 5,762,735	06/09/1998	COLLINS ET AL.	
		US - 5,846,461	12/08/1998	COLLINS ET AL.	
		US - 5,854,144	12/29/1998	HAWLEY	
		US - 5,910,358	06/08/1999	THOEN ET AL.	
		US - 5,965,232	10/12/1999	VINOD	
		US - 6,143,118	11/07/2000	HORNAMAN ET AL.	
		US - 6,253,526	07/03/2001	MURPHY ET AL.	
	US -				
	US -				

**FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>5</sub>
		CountryCode <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
		CANADA	2320471		03/30/2001	FOAMEX L.P.		<input type="checkbox"/>
		EPO	0466625		05/24/1991	P. GERAUD		<input type="checkbox"/>
		EPO	1008447	A2	12/09/1999	PARKS ET AL.		<input type="checkbox"/>
		EPO	1020589	A2	11/19/1999	KLEIN		<input type="checkbox"/>
		EPO	1041191	A2	03/29/2000	KATO ET AL.		<input type="checkbox"/>
		JP	3034956		04/17/2000	KAWANO NEW MAT'L DEVELOPMENT		<input type="checkbox"/>
		JP	328423		11/28/2000	KURASHIKI SPINNING KK		<input type="checkbox"/>
		JP	12043		01/16/2001	TAKIRON CO., LTD		<input type="checkbox"/>
		JP	6- 256484		09/13/1994	TEIJIN LTD		<input type="checkbox"/>

Examiner  
SignatureDate  
Considered

7.23.03

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for form 1449A/PTO

Complete if Known

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

2

Of

2

Application Number	09/669,477
Filing Date	09/25/2000
First Named Inventor	MURPHY
Group Art Unit	1771
Examiner Name	JUSKA
Attorney Docket Number	CH2751USNA

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
		JP	8-70962		03/19/1996	MITSUBISHI RAYON CO. LTD.		<input checked="" type="checkbox"/>
		JP	9-131819		05/20/1997	TOYO QUALITY ONE CORP.		<input checked="" type="checkbox"/>
		JP	9-131820		05/20/1997	TOYO QUALITY ONE CORP.		<input checked="" type="checkbox"/>
		JP	9-143848		06/03/1997	TEIJIN LTD.		<input checked="" type="checkbox"/>
		JP	9-1704		01/07/1997	NISSAN MOTOR CO., LTD.		X
		JP	9-258739		10/03/1997	NISSAN MOTOR CO., LTD.		X
		JP	9-39169		02/10/1997	SHOWA DENKO K.K.		X
		JP	10-140806		05/26/1998	KK DI		X
		JP	2002-69230		03/08/2002	UMEMOTO MASAO		
		JP	54-53163		04/26/1979		Claims only translated	X
		JP	55-144153		11/10/1980		Claims only translated	X
		JP	62-178337		05/08/1987		Claims only translated	X
		UK	2 349 356		11/01/2000	THERMA FLOAT LTD.		
		WIPO	WO89/08550		09/21/1989	Namba Press Works Co.		X
		WIPO	WO96/32526		10/17/1996	COOPER ET AL.		
		WIPO	WO00/39178		07/06/2000	GRIBBLE ET AL.		
		WIPO	WO01/27382		04/19/2001	MURPHY ET AL.		
								<input type="checkbox"/>
								<input type="checkbox"/>

Examiner  
SignatureDate  
Considered

7.23.03

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1

Of 1

**Complete if Known**

Application Number	09/669,477
Filing Date	09/25/2000
First Named Inventor	MURPHY
Group Art Unit	1771
Examiner Name	JUSKA
Attorney Docket Number	CH2751USNA

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup>	(if known)			
[Signature]		US -	4,037,013	07/19/1977	SPRAGUE	
		US -	5,082,705	01/21/1992	ROSE	
		US -	5,265,295	11/30/1993	STURGIS	
		US -	6,066,580	05/23/2000	YOSHIDA ET AL.	
		US -	6,158,815	12/12/2000	SUGIE ET AL.	
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
[Signature]		JP	2000-313081		04/30/1999	NIPPON PETROCHEMICALS CO. LTD.		X
		JP	4-327930		04/26/1991	IKEDA PRODUCTS INC.		<input checked="" type="checkbox"/>
		JP	4-39135		06/05/1990	DUPONT-MITSUI POLYCHEMICALS CO., LTD.		X
		JP	45-18073		09/27/1967	MITSUBISHI RAYON CO., LTD.		X
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>

Examiner Signature

Date Considered

7/23/03

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 20 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 Of 1

**Complete if Known**

Application Number	09/669,477
Filing Date	09/25/2000
First Named Inventor	MURPHY
Group Art Unit	1771
Examiner Name	JUSKA
Attorney Docket Number	CH2751USNA

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number -	Kind Code <sup>2</sup> (if known)			
68		US -	6,521,552	02/18/2003	HONNA ET AL.	
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				
		US -				

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>

Examiner  
Signature

Date  
Considered

7.23.03

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.